

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s) : Guillermo J. TEARNEY et al.  
Serial No. : 10/765,430  
Filed : January 26, 2004  
For : SYSTEM AND METHOD FOR IDENTIFYING TISSUE USING  
LOW-COHERENCE INTERFEROMETRY  
Examiner : Iman K. Kholdebarin  
Art Unit : 3737  
Confirmation No. : 1546

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AFTER NON-FINAL OFFICE ACTION**

Sir:

This paper is filed in response to a non-final Office Action dated November 8, 2007. Initially, please amend the above-identified application as set forth below.

**In The Drawings:**

Please replace the originally-filed Fig. 2 with the amended Fig. 2, which is provided herewith on a separate "Replacement Sheet."

**In The Claims:**

Please amend claim 41 as provided below in the associated claim listing on separate sheets: